

ABSTRACT

A disk array device is equipped with a plurality of input/output channels that receive data input/output requests from an external device, a plurality of cache memories provided for the corresponding respective input/output channels, each of the cache memories connected to each of the corresponding respective input/output channels, a disk drive device, a disk control module that performs data input/output to and from the disk drive device, and a communication module that communicatively connects the input/output channels with the disk control module. The disk array device also includes a consistency maintaining module that can perform a consistency maintaining processing to maintain consistency of data stored in each of the cache memories. According to the content of the data input/output request received from the external device, an execution order of a response processing to respond to the external device according to the data input/output request and the consistency maintaining processing is controlled.